



Mnemonic - AI-Powered Note Management System

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[Mnemonic](#)

What is Mnemonic?

Mnemonic is derived from the Ancient Greek word (mnēmonikos) which means 'of memory' or 'relating to memory'. Mnemonic in English can be translated as a pattern pattern of letters, ideas, or associations that assists in remembering something.

An AI-Powered Note Management System. Mnemonic turns your notes into a living knowledge base. Write naturally, then ask questions, by text or voice and get precise answers from your own notes.

Why build Mnemonic?

There are many ways and reasons to build things, this is one. Why build a static note when you can build a living knowledge base.

- Traditional note-taking apps lack intelligent search.
- Users can't ask questions about their notes naturally
- Information retrieval is keyword-based, not semantic

Core Features:

Note Management

- Create, read, update, delete notes
- Tag-based organization
- Full-text search

AI-Powered Query System

- Natural language question answering
- Voice input support
- Context-aware responses using RAG
- Source citation (shows which notes were used)

System Flow: At a systems level, Mnemonic turns human intent into machine-reasoned recall through a deliberate, layered pipeline. A user begins by asking a question, either by typing or speaking; if voice is used, speech-to-text converts it into a clean textual query. That query is transformed into a dense vector representation via an embedding model, capturing semantic meaning rather than keywords. Using pgvector, Mnemonic performs a vector similarity search against stored note embeddings to identify the top-K notes that are most relevant in meaning to the user's question. These retrieved notes are not answers themselves—they are evidence. They are assembled into a structured context window that preserves content, metadata, and identifiers, which is then passed to a large language model via (Groq) API to reason over. The LLM generates a coherent answer grounded strictly in the retrieved notes, and the system surfaces the response alongside explicit citations pointing back to the source notes, maintaining transparency and trust.

From a user's perspective, Mnemonic is not “another notes app”; it is an externalized memory system. Instead of forcing users to remember filenames, folders, or exact phrasing, it allows them to think naturally and ask questions the same way they would ask themselves: “What did I decide about embeddings?” or “What was my takeaway from that meeting last week?” Mnemonic shifts note-taking from passive storage to active cognition—your notes become a living knowledge base that can be queried, reasoned over, and revisited with context. The project is fundamentally about reducing cognitive load: you remember less, search less, and think more, while the system preserves the provenance of every answer so your thinking remains auditable, personal, and trustworthy.

Check [HERE](#) for project DETAILS